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NASA Procedural Requirements

COMPLIANCE IS MANDATORY**NPR 7120.5E**Effective Date: August 14,
2012Expiration Date: August 14,
2017[Printable Format \(PDF\)](#)

Request Notification of Change (NASA Only)

Subject: NASA Space Flight Program and Project Management Requirements w/Changes 1-15

Responsible Office: Office of the Chief Engineer[| TOC](#) | [ChangeHistory](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [AppendixA](#) | [AppendixB](#) |
[AppendixC](#) | [AppendixD](#) | [AppendixE](#) | [AppendixF](#) | [AppendixG](#) | [AppendixH](#) | [AppendixI](#) |
[AppendixJ](#) | [ALL](#) |

Preface

P.1 Purpose

This document establishes the requirements by which NASA formulates and implements space flight programs and projects, consistent with the governance model contained in NASA Policy Directive (NPD) 1000.0, NASA Governance and Strategic Management Handbook.

P.2 Applicability

- a. This NASA Procedural Requirements (NPR) is applicable to NASA Headquarters and NASA Centers, including Component Facilities and Technical and Service Support Centers. This language applies to the Jet Propulsion Laboratory, a Federally Funded Research and Development Center, other contractors, grant recipients, or parties to agreements only to the extent specified or referenced in the appropriate contracts, grants, or agreements.
- b. This NPR applies to all NASA space flight programs and projects (including spacecraft, launch vehicles, instruments developed for space flight programs and projects, research and technology developments funded by and to be incorporated into space flight programs and projects, critical technical facilities specifically developed or significantly modified for space flight systems, highly specialized Information Technology (IT) acquired as a part of space flight programs and projects (non-highly specialized IT is subject to NPR 7120.7), and ground systems that are in direct support of space flight operations). This NPR also applies to reimbursable space flight programs and projects performed for non-NASA sponsors and to NASA contributions to space flight programs and projects performed with international and interagency partners.
- c. For existing programs and projects, the requirements of this NPR apply to their current and future phases as determined by the responsible Mission Directorate, approved by the NASA Chief Engineer (or as delegated), and concurred with by the Decision Authority.
- d. This NPR can be applied to other NASA investments at the discretion of the responsible manager or the NASA Associate Administrator.
- e. In this directive, all mandatory actions (i.e., requirements) are denoted by statements containing the term "shall." The terms "may" or "can" denote discretionary privilege or permission, "should" denotes a good practice and is recommended but not required, "will" denotes expected outcome, and "are/is" denotes descriptive material.
- f. In this directive, all document citations are assumed to be the latest version unless otherwise noted.

P.3 Authority

- a. The National Aeronautics and Space Act, as amended, 51 U.S.C. Â§ 20113(a).

- b. NPD 1000.0, NASA Governance and Strategic Management Handbook.
- c. NPD 1000.3, The NASA Organization.
- d. NPD 1000.5, Policy for NASA Acquisition.
- e. NPD 7120.4, NASA Engineering and Program/Project Management Policy.

P.4 Applicable Documents And Forms

- a. Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities, OMB Circular No. A-119.
- b. NPD 1001.0, NASA Strategic Plan.
- c. NPD 1200.1, NASA Internal Control.
- d. NPD 1210.2, NASA Surveys, Audits, and Reviews Policy.
- e. NPR 7120.10, Technical Standards for NASA Programs and Projects.
- f. NPR 7123.1, NASA Systems Engineering Processes and Requirements.
- g. NPR 8705.4, Risk Classification for NASA Payloads.
- h. NPR 8715.3, NASA General Safety Program Requirements.
- i. NPR 8900.1, Health and Medical Requirements for Human Space Exploration.
- j. NASA-STD-8709.20, Management of Safety and Mission Assurance Technical Authority (SMA TA) Requirements.
- k. ANSI/EIA-748, Standard for Earned Value Management Systems.

P.5 Measurement/Verification

a. Compliance with this document is verified by submission to responsible NASA officials of the gate products identified in this document at Key Decision Points (KDPs), by submission of milestone products and control plans due at life-cycle reviews, and by internal and external controls. Internal controls are consistent with processes defined in NPD 1200.1, NASA Internal Control. Internal controls include surveys, audits, and reviews conducted in accordance with NPD 1210.2, NASA Surveys, Audits, and Reviews Policy. External controls may include external surveys, audits, and reporting requirements.

b. Compliance is also documented by appending a completed Compliance Matrix for this NPR (see Appendix C) to the Formulation Agreement for projects in Formulation and/or the Program Plan or Project Plan (see appendices G or H) for programs or projects entering or in Implementation. A copy of the Compliance Matrix is forwarded to the Office of the Chief Engineer.

P.6 Cancellation

- a. NPR 7120.5D, NASA Space Flight Program and Project Management Requirements, dated March 6, 2007.
- b. NID 7120-97, NASA Interim Directive (NID): NASA Space Flight Program and Project Management Requirement, dated, September 28, 2011.

/S/

Mike Ryschkewitsch
NASA Chief Engineer

[TOC](#)	[ChangeHistory](#)	[Preface](#)	[Chapter1](#)	[Chapter2](#)	[Chapter3](#)	[AppendixA](#)
[AppendixB](#)	[AppendixC](#)	[AppendixD](#)	[AppendixE](#)	[AppendixF](#)	[AppendixG](#)	
[AppendixH](#)	[AppendixI](#)	[AppendixJ](#)	[ALL](#)			

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